

I claim:

A composite on a surface of a substrate, wherein said composite 5 comprises:

> a first coating comprising pigment and binder polymer; a)

b) reflective beads; and

c) a clear coating, comprising binder polymer.

The composite of claim 1, wherein said binder polymer has a glass 10 2. transition temperature of -10°C to 70°C.

The composite of claim 1, wherein said clear coating has a percent 3. visible light transmission of 80/to 100% when measured at a coating thickness of 500 microns.

The composite of claim 1/2, wherein said clear coating has a percent visible light transmission of 85 to 100% when measured at a coating thickness of 500 microns.

The composite of claim 1, wherein said clear coating has a percent 5. visible light transmission of 90 to 100% when measured at a coating thickness of 500 microns.

25 The composite of claim 1, wherein said reflective beads are 6. spherical, or/approximately spherical glass beads.

7. The composite of claim 1, further comprising at least one absorber, wherein said absorber is selected from the group consisting of organic/super absorbent polymers, ion-exchange resins, hollow sphere / polymers, molecular sieves, talcs, inorganic absorbers,

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porous carbonaceous materials, non-porous carbonaceous materials, and mixtures thereof.

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The composite of claim

wherein:

- said surface of said substrate is a road surface; and a)
- aid composite is a traffic marking. b)

A method for preparing a composite on a surface of a substrate, the 10 method comprising the steps of:

- applying at least one first coating composition, comprising 1) pigment, binder polymer, and water, to said surface;
- applying at least one clear/coating composition, comprising 2) binder polymer and water to said surface to which said first coating composition has been applied;
- 3) applying reflective /beads simultaneously, nearly simultaneously, with/at least one of steps 1 or 2; and
- allowing the compositions to dry. 4)

A method for preparing/a composite on a surface of a substrate, the method comprising the steps of:

- applying at least one first coating composition, comprising 1) pigment, binder palymer, and water, to said surface;
- 2) applying at least/one clear coating composition, comprising binder polymer and water, to said surface to which said first coating composition has been applied;
- applying reflective beads in at least one step between any two 3) consecutive steps; and
- 4) allowing the compositions to dry.

11. The method of claim 9 or 10, wherein said binder polymer has a glass transition temperature of -10°C to 70°C.

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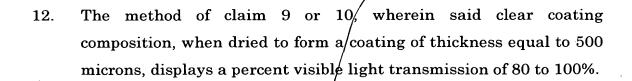
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13. The method of claim 9 or 10, wherein said clear coating composition, when dried to form a coating of thickness equal to 500 microns, displays a percent visible light transmission of 85 to 100%.

10 14. The method of claim 9 or 10, wherein said clear coating composition, when dried to form a coating of thickness equal to 500 microns, displays a percent visible light transmission of 90 to 100%.

15. The method of claim 9 or 10, wherein said reflective beads are spherical, or approximately spherical, glass beads.

16. The method of claim 9 or 10, further comprising the step of applying at least one absorber,

wherein said absorber is selected from the group consisting of organic super absorbent polymers, ion-exchange resins, hollow sphere polymers, molecular sieves, talcs, inorganic absorbers, porous carbonaceous materials, non-porous carbonaceous materials, and mixtures thereof.

25 17. The method of claim 9 or 10, wherein:

- a) said surface of said substrate is a road surface; and
- b) said composite is a traffic marking.

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